

**BY ORDER OF THE COMMANDER  
30TH SPACE WING**

**30TH SPACE WING INSTRUCTION 91-104**

**29 NOVEMBER 2011**



**Safety**

**OPERATIONS HAZARD NOTICE**

**COMPLIANCE WITH THIS INSTRUCTION IS MANDATORY**

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(Mark A. Gotfraind)

Pages: 19

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This instruction establishes policies, procedures, and responsibilities for those who issue Operations Hazard Notices required by Department of Defense (DoD) directives and federal regulations except for offshore oil rigs which are covered under 30th Space Wing Instruction 13-210, *Evacuating or Sheltering of Personnel on Offshore Oil Rigs*. Security precautions are also stated for notices pertaining to classified operations. This instruction applies to 30th Space Wing (30 SW) personnel supporting ballistic and space launches, aeronautical tests, and other hazardous operations on the Western Range. Refer recommended changes and questions about this instruction to 30 SW/SEL, 806 13th Street, Suite 3, Vandenberg AFB CA 93437-5230, using AF Form 847, *Recommendation for Change of Publications*. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with AFMAN 33-363, *Management of Records*, and disposed of in accordance with the Air Force Records Disposition Schedule (RDS) located at <https://www.my.af.mil/afrims/afrims/afrims/rims.cfm>. The use of the name or mark of any specific manufacturer, commercial product, commodity, or service in this publication does not imply endorsement by the Air Force.

**SUMMARY OF CHANGES**

“Trainmaster” changed to “Manager Road Operations (MRO)” (paragraphs [3.3.3](#), [4.3.6](#) and [Attachment 8](#)). Added Pacific Missile Range Facility (PMRF) notification to Launch Safety procedures (paragraph [4.1.2](#)). Changed number of days for Altitude Reservation Approval Request message notification from five to 12 working days (paragraph [4.3.2.2](#)). Changed number of days for other message notifications from five to seven working days (paragraphs [4.3.3.2](#), and [4.3.4.1](#)). Deleted reference to Wheeler AFB contact (paragraph [4.4.1.2](#)). Changed the term “ship impact probability analysis” to “ship risk analysis” (paragraph [5.1.1](#)).

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**1. Background Summary.** The Western Range embraces a geographical area extending from the west coast of the United States to 90 degrees longitude in the Indian Ocean. Within these boundaries, 30 SW conducts polar orbiting, ballistic missile and aeronautical operations. The launch and ballistic reentry or recovery phases use airspace and ocean areas that can also be used by other aviation or maritime interests. Operation Hazard Notices provide real and constructive notice to the domestic and international aviation and maritime communities of the time and location of the hazards created by missile operations.

## **2. Responsibilities:**

2.1. The 30 SW Commander is assigned the responsibility for ensuring that flight safety criteria are consistent with operational requirements for all test activities supported by the Western Range.

2.2. The 30 SW Safety Office (30 SW/SE) has been delegated by the Commander the authority to ensure that all necessary safety precautions are implemented and requirements are met.

2.3. The 2nd Range Operations Squadron (2 ROPS) ensures hazard notifications are disseminated to appropriate agencies prior to activation of an operation.

## **3. Operational Requirements:**

3.1. Launch Safety (30 SW/SEL) will:

3.1.1. Identify airspace and surface area hazard coordinate requirements to Airspace and Offshore Management Section (2 ROPS/DON).

3.1.2. Provide information to comply with the provisions of Title 33, CFR 334.1130, *Pacific Ocean, Western Space and Missile Center (WSMC), Vandenberg AFB, California, Danger Zones*, and DoD Instruction 4540.01, *Use of International Airspace by US Military Aircraft and for Missile/Projectile Firings*.

3.2. 2 ROPS/DON will:

3.2.1. Review the airspace and surface area hazard coordinate requirements. Request Range Scheduling (2 ROPS/DOS) write and issue Hydrographic Center, Pacific (HYDROPACs), Broadcast Notice to Mariners, and Altitude Reservation Approval Request (ALTRV APREQ) as appropriate.

3.3. Range Scheduling (2 ROPS/DOS) will:

3.3.1. Write and issue HYDROPACs, Broadcast Notice to Mariners and ALTRV APREQ from which Central Altitude Reservation Facility (CARF) will issue the appropriate notice to airmen (NOTAM). (Airfield closures, however, will be made by the 30 OSS/OSA.) All notices should allow sufficient time prior to the opening of the operation window to allow clearance of the area by T-0.

3.3.2. Make all hazard notification information available to the Mission Flight Control Officer (MFCO) (2 ROPS), Range Control Officer (2 ROPS/DOO), Program Management Support Section (2 ROPS/DOF), Range Operations Commander (ROC) (2 ROPS/DOO), Base Operations (30 OSS/OSA), and 2 ROPS/DON to aid them in discharging their responsibilities, and to 30 SW/SEL for checking the accuracy of the hazard area coordinates.

3.3.3. Notify the Union Pacific Manager Road Operations (MRO) of all operations (30SWI 13-207, *Range Surveillance*).

**3.4. The Aerospace Control Officer (ACO), in the Area Control Center (ACC), will:** Ensure the track plots of all ships detected by radar surveillance in the local offshore area are displayed. This information, along with predicted positions for T-0, will be used by the MFCO and 30 SW/SEL. (See 30 SWI 13-207).

**4. Range Procedures:**

4.1. 30 SW/SEL will:

4.1.1. Establish the criteria, define the hazardous area for ships and aircraft in broad ocean areas (BOAs), and provide the data to 2 ROPS/DON.

4.1.2. Notify Reagan Test Site (RTS) of areas that RTS will include within their own Altitude Reservations (ALTRV). Notify Pacific Missile Range Facility (PMRF) of hazardous areas within their range operating area.

4.1.3. Check and update, if necessary, the accuracy of the above data.

4.1.4. Ensure that page 4 of the Safety Data Letter Missile Flight Control Department (MFCD-11) is completed and delivered to 2 ROPS/DON 30 days before the operation. (Quick reaction programs may prevent compliance with this deadline. In this event, deliver the completed MFCD-11, page 4, as soon as practical.)

4.1.5. Take notice of and comply with security precautions listed in **Paragraph 5** below.

4.2. 2 ROPS/DON will:

- 4.2.1. Review the data defining the hazardous areas and request changes from 30 SW/SEL as appropriate.
- 4.2.2. Request 2 ROPS/DOS issue the appropriate notifications.
- 4.2.3. Review the final scheduling package prior to transmission.
- 4.2.4. Ensure notifications are sent prior to the hazardous operation.
- 4.2.5. Notify 2 ROPS/DOS of any updates received from 30 SW/SEL.

4.3. 2 ROPS/DOS will:

- 4.3.1. Coordinate with the appropriate OPR (2 ROPS/DO/DON/DOF) all notifications prior to distribution.

4.3.2. For ALTRV APREQs:

4.3.2.1. Use the hazard areas defined in the MFCD-11, page 4, to prepare a message for the FAA CARF with minimum information copies to FAA Los Angeles ARTCC Palmdale CA, FAA Oakland ARTCC Fremont CA, FAA Western Pacific RGN HQ Los Angeles CA, 452 FLTS Edwards AFB CA, 2 ROPS/ DO, 2 ROPS/DOF and 30 SW/SEL.

4.3.2.2. Ensure that ALTRV APREQs (typically for a 3 day period) ([Attachment 5](#)) are sent no later than 12 working days before the scheduled operation, and as soon as possible when an operation is rescheduled within 48-hours of the original scheduled period. ALTRV APREQ time period coverage will begin 15 minutes prior to the opening of the launch window/period and end after a pre-established time specified in the MFCD-11, page 4, ALTRV APREQ Information Sheet.

4.3.2.3. Cancel ALTRV by message after the period specified in the MFCD-11, page 4, ALTRV APREQ Information Sheet. For rescheduled operations, request a new ALTRV APREQ by message as soon as possible.

4.3.3. For HYDROPACs:

4.3.3.1. Use the information on the MFCD-11, page 4, to prepare a message to send to the National Geospatial-Intelligence Agency (NGA Navsafety), Bethesda MD, with information copies to (at a minimum): Commander Coast Guard District (CCGD) Eleven Alameda CA, CCGD Fourteen Honolulu HI, Channel Islands Harbor CA, COMCOGARD LALB Los Angeles CA, COMPACAREA COGARD Alameda CA, COMSUBPAC Pearl Harbor HI, NAVAIRWARCENWPNDIV Pt Mugu CA, 2 ROPS and 30 SW/SEL ([Attachment 2](#)).

4.3.3.2. Ensure message is sent seven working days before the original schedule date for a three-day period. If an operation is rescheduled, message is to be resent. HYDROPAC coverage will begin prior to the opening of the launch window/period and extend past the launch window/period based upon safety and operational procedures.

4.3.4. For Broadcast Notice to Mariners:

- 4.3.4.1. Ensure the Broadcast Notice to Mariners message is sent seven working days before the original schedule date. Use the information on the MFCD-11, page 4, to prepare a message to send to the Commander, Eleventh Coast Guard District, Long Beach, California (addressed as COMCOGARDGRU LALB Los Angeles CA), with information copies to COMPACAREA COGARD Alameda CA, CCGDELEVEN Alameda CA, Channel Islands Harbor CA, 2 ROPS and 30 SW/SEL. Coverage will begin prior to the opening of the launch window/period and extend past the launch window/period based upon safety and operational procedures. Comply with security precautions listed in [Paragraph 5](#) below.
- 4.3.4.2. Use the information on the MFCD-11, page 4, to complete Broadcast Notice to Mariners Information Letter ([Attachment 3](#)). Ensure the letter is sent ten working days before the original schedule date. Coverage will begin prior to the opening of the launch window/period and reestablished time and extend past the launch window/period based upon safety and operational procedures. Mail, fax, or dispatch to the Harbor Masters offices listed in [Attachment 4](#), by Thursday of each week, information about closures that will be necessary two or more weeks later. Mail copies of the information to Port Control Offices ([Attachment 4](#)). Comply with security precautions listed in [Paragraph 5](#) below.
- 4.3.5. For R2534A/B, ensure a NOTAM request is sent to Los Angeles Air Route Traffic Control Center requesting the activation of this airspace for operations.
- 4.3.6. Provide in a letter the following information to the Union-Pacific MRO ten working days before the original schedule date: Item number, operation number, window time, and mile post markers affected ([Attachment 8](#)).
- 4.3.7. Provide 2 ROPS/DON with a copy of all operations hazard notices sent and make them available to 30 SW/SEL and other requesting agencies.
- 4.3.8. Notify 30 OSS/OSA of airspace closure requirements.
- 4.4. The Area Control Center will:
- 4.4.1. During operations:
- 4.4.1.1. At T-30 minutes, advise the ACO of any vessels that will be within an impact hazard area at planned liftoff (T-0) or T+7 minutes as appropriate. The ACO will, in turn, notify the ROC and the MFCO.
- 4.4.1.2. When directed by the ACO, request maritime position information from the United States Coast Guard (USCG) Command Centers (CC), as appropriate, at Long Beach CA (DSN 360-7129) or Honolulu HI (DSN 421-4845).
- 4.4.2. For Broadcast Notice to Mariners: Call the Port Control Offices (see Harbor Masters, [Attachment 4](#)) at L-1 day to verify the zones and vessel exclusion areas to be closed and the time of closure. Comply with security precautions in [Paragraph 5](#) below.
- 4.4.3. For ALTRV APVL (issued by FAA CARF Washington DC):
- 4.4.3.1. At T-180 minutes, verify by telephone or voice page hotline that Oakland and Los Angeles Centers (as appropriate), have received ALTRV/NOTAM messages.

4.4.3.2. Notify the appropriate FAA centers of planned (realistic) T-60 milestones and update them as necessary to ensure air traffic reroute procedures are being enforced by the FAA.

4.4.3.3. If an operation is scrubbed or rescheduled, notify the appropriate FAA Center (Oakland or Los Angeles) by voice page hotline as soon as possible. Also, advise the appropriate center of the "release" time after an operation is completed. Follow periods outlined in the MFCD-11, page 4.

4.5. **30 OSS/OSA will:** Issue a NOTAM indicating airfield closures for Range operations that affect R-2516 and airfield operations. Airfield closure times on the NOTAM will coincide with the Range closure times indicated in the ALTRV APREQ provided by 2 ROPS/DOS. The NOTAM should state that aircraft may be turned away from Vandenberg AFB airspace during the closure time due to missile launch operations.

**5. Security Precautions.** The security requirements of some programs could be degraded by following the above routine hazard notice procedures. The following special measures will be considered and employed, as appropriate, in order to effectively promote the Commander's responsibility for security.

5.1. 30 SW/SEL will:

5.1.1. Perform a ship risk analysis and evaluate the degree of risk associated with each area normally defined in hazard notices.

5.1.2. Coordinate with 30 SW/CCH to consider or implement one, or a combination, of the following procedures for issuing Operation Hazard Notices:

5.1.2.1. Delete those notices pertaining to areas where the risk level is less than the predetermined hazard criteria. It is extremely unlikely that all hazard notices for an operation could be excluded due to predicted risk levels.

5.1.2.2. Enlarge, skew, or distort the defined hazard area boundaries.

5.1.2.3. Coordinate with 2 ROPS/DON and ensure message addressee lists are minimized to essential distribution and advanced time notification.

5.2. 2 ROPS/DON will:

5.2.1. Review the defined hazard area boundaries and coordinate with 2 ROPS/DOS to minimize to essential distribution and advance time notification

5.2.2. Instruct the air controllers and surveillance monitors to make routine Danger Zone and ship exclusion box telephone calls to Harbor Masters and broadcast the notices to mariners.

5.2.3. Instruct the Duty Air Controller and advise the ACO concerning any restricted use of radio and land line communications which are normally routine to operations.

5.3. 2 ROPS/DOS will:

5.3.1. Coordinate the subject message traffic for classified operations with 30 SW/SEL. Provide 30 SW/SEL, 2 ROPS/DO, 2 ROPS/DOF, and 2 ROPS/DON a copy of the message traffic.

5.3.2. Prepare the subject messages for routine release. Activate Danger Zones as called for on page 4 of the Safety Data Letter (MFCD-11).

5.3.3. Issue Broadcast Notice to Mariners.

5.3.4. Advise 2 ROPS/DO concerning subject security precautions.

RICHARD W. BOLTZ, Colonel, USAF  
Commander

**Attachment 1****GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

DoD Directive 3200.11, *Major Range and Test Facility Base (MRTFB)*, 1 May 2002.

DoD Directive 3230.3, *DoD Support for Commercial Space Launch Activities*, 14 October 1986

DoD Instruction 4540.01, *Use of International Airspace by U.S. Military Aircraft and for Missile/Projectile Firings*, 28 March 2007.

Title 33, CFR 334.1130, *Pacific Ocean, Western Space and Missile Center (WSMC), Vandenberg AFB, California, Danger Zones*, Revised as of 1 July 2007.

CINCPACFLT Instruction 3130.6F, *Pacific Area Ocean Surveillance Report Services*.

AFI 11-208, *Department of Defense Notice to Airmen (NOTAM) System*, 1 August 2004.

AFSPCMAN 91-710, *Range Safety User Requirements Manual*, Volumes 1-7, 1 July 2004.

AFSPCMAN 91-711, *Launch Safety Requirements for Air Force Space Command Organizations*, 1 February 2007.

30 SW RSOR, *Range Safety Operations Requirements*, 21 December 2006 (Revision 01 dated 2 November 2007).

***Abbreviations and Acronyms***

**ACC**—Area Control Center

**ACO**—Aerospace Control Officer

**AFB**—Air Force Base

**ALTRV**—Altitude Reservation

**ALTRV APREQ**—Altitude Reservation Approval Request

**CARF**—Central Altitude Reservation Facility

**CC**—Command Center

**CCGD**—Commander Coast Guard District

**CFR**—Code of Federal Regulations

**CINCPACFLT**—Commander in Chief, Pacific Fleet

**COMNAVAIRWARCEN**—Commander, Naval Air Warfare Center

**COMPACMISTESTCEN**—Commander, Pacific Missile Test Center

**COMSUBPAC**—Commander, Submarine Forces Pacific

**DPSCPAC**—Data Processing Servicing Center, Pacific

**EWR**—Eastern-Western Range

**FAA**—Federal Aviation Administration



**FACSFAC**—Fleet Area Control and Surveillance Facility

**HYDROPAC**—Hydrographic Center, Pacific

**KMR**—Kwajalein Missile Range

**LONOTE**—Local Notice to Mariners

**MFCD**—Missile Flight Control Department

**MFCO**—Mission Flight Control Officer

**MRO**—Manager Road Operations

**NAVSAFETY**—Naval Safety Department

**NGA**—National Geospatial-Intelligence Agency

**NOTAM**—Notice to Airmen

**PMRF**—Pacific Missile Range Facility

**RCC**—Rescue Coordination Centers

**RCO**—Range Control Officer

**ROC**—Range Operations Commander

**RSOR**—Range Safety Operations Requirements

**RTS**—Reagan Test Site

**USAKA**—United States Army Kwajalein Atoll

**USCG**—United States Coast Guard

**WR**—Western Range

**WSMC**—Western Space and Missile Center

### *Terms*

**Hydrographic Center, Pacific (HYDROPAC) Notice**—This special notice to mariners is an urgent notice of hazards to navigation in the Pacific Ocean. The HYDROPAC message is sent to the National Geospatial-Intelligence Agency (NGA) NAVSAFETY, Bethesda MD, and distributed by that office ([Attachment 2](#)).

**Broadcast Notice to Mariners**—This is information to surface vessels which is distributed when the 30 SW sends written notification of offshore surface hazards to be published in a weekly United States Coast Guard (USCG) Long Beach Broadcast to Mariners (see [Attachment 3](#)). Scheduled blind radio broadcasts by USCG Long Beach provide the latest available hazard information to offshore surface vessels. (This includes Danger Zone closures and the vessel exclusion area.)

**Frontier Control**—Provides a blind radio broadcast notification on Danger Zones and vessel exclusion area activation on selected frequencies starting 24 hours before, and during, scheduled operations. 2nd Range Operations Squadron Scheduling (2 ROPS/DOS) also notifies, by letter, the Port Control Offices (see [Attachment 4](#)). This information is posted on notice boards at the harbors for the benefit of small craft operators and fishermen. A recorded message about the

status of Danger Zones and predetermined Ship Exclusion Areas that are to be cleared of maritime traffic is accessible by dialing 1-800-648-3019.

**Mile Markers**—These are signs posted at one-mile intervals along the Union Pacific railroad track, starting from Surf Station as mile zero for information about the position of trains. The notation is identified in miles north or south of Surf Station. Mile markers are also used to identify railroad track hazard limits within the impact limit lines.

**Notice to Airmen (NOTAM)**—This is a notification to civil and military aircraft issued by the Federal Aviation Administration (FAA) (Los Angeles Center or Oakland Center), or other controlling agency for special use airspace (NAWC or FACSFAC), concerning the change in an aeronautical facility's service or procedure. The FAA Center/Controlling Agency issues NOTAMs based upon hazardous area inputs received from the 2 ROPS/DOS developed from operation hazard analyses conducted by 30 SW Launch Safety (SEL).

**Altitude Reservation Approval Request (ALTRV APREQ)**—This is a request made by the 2 ROPS/ DOS for airspace closures to the Central Altitude Reservation Facility (CARF) because of hazardous operations. If approved, CARF issues an ALTRV APVL for the requested airspace.

**Commander, Coast Guard District (CCGD) Eleven or Fourteen**—Commander, Eleventh Coast Guard District, Long Beach, California; or Fourteenth Coast Guard District, Honolulu, Hawaii.

**Commander in Chief, Pacific Fleet (CINCPACFLT), Makalapa, Hawaii**—Commander of the Pacific Fleet, Makalapa Hawaii.

**Commander, Naval Air Warfare Center (COMNAVAIRWARCEN), Point Mugu CA**—Commander of the Naval Air Warfare Center, Point Mugu, California.

**Commander, Submarine Forces Pacific (COMSUBPAC), Pearl Harbor HI**—Commander of submarine forces stationed in the Pacific Ocean, Pearl Harbor, Hawaii.

**Fleet Area Control and Surveillance Facility (FACSFAC), San Diego CA**—Naval facility responsible for control and surveillance of all Pacific Fleet operations.

**Data Processing Servicing Center, Pacific (DPSCPAC), Pearl Harbor HI**—The Pacific Naval data processing center located at Pearl Harbor, Hawaii.

**Western Range Operations Communications and Information (WROCI)**—Contractor responsible for operating, maintaining and servicing 2 ROPS assets in support of launch operations at the Western Range.

## Attachment 2

## EXAMPLE OF HYDROPAC MESSAGE

UNCLASSIFIED// FOR OFFICIAL USE ONLY

**Subject:** HYDROPAC NAVAREA XII REQUEST FOR W4233**Originator:** 2ROPS DOS(UC)**DTG:** 191623Z Sep 07**Precedence:** IMMEDIATE**DAC:** General**To:** 2ROPS DOS(UC), AL D5-NAVIGATION SAFETY INFO(UC), CCGDELEVEN ALAMEDA(UC), CCGDFOURTEEN HONOLULU(UC), STA CHANNEL ISLANDS HARBOR(UC), COMPACAREA ALAMEDA(UC), NAVSUBTRACENPAC PEARL HARBOR HI(UC), NAVAIRWARCENWPNDIV PT MUGU CA(UC), ACC(UC), SKD(UC), 30SW SEL(UC)

UNCLASSIFIED//FOR OFFICIAL USE ONLY.

SUBJECT: HYDROPAC NAVAREA XII REQUEST FOR W4233

1. REQUEST ISSUE HYDROPAC/NAVAREA XII FOR WESTERN RANGE  
OPERATION W4233 IAW THE FOLLOWING INFORMATION:

2. HAZARDOUS OPERATIONS WILL BE CONDUCTED IN THE AREAS  
DESCRIBED BELOW FROM 1947Z TO 0117Z DAILY BEGINNING  
28 SEP 07 AND ENDING 03 OCT 07.

## a. ASCENT DISPERSION AREA

- (1) 34 DEG 52 MIN N 120 DEG 51 MIN W
- (2) 34 DEG 52 MIN N 120 DEG 36 MIN W
- (3) 34 DEG 51 MIN N 120 DEG 36 MIN W
- (4) 34 DEG 49 MIN N 120 DEG 51 MIN W

## b. FLIGHT INFORMATION REGION KZAK

- (1) 34 DEG 48 MIN N 126 DEG 24 MIN W
- (2) 34 DEG 51 MIN N 125 DEG 53 MIN W
- (3) 34 DEG 09 MIN N 125 DEG 48 MIN W
- (4) 34 DEG 07 MIN N 126 DEG 19 MIN W

## c. FLIGHT INFORMATION REGION KZAK

- (1) 31 DEG 51 MIN N 153 DEG 49 MIN W
- (2) 34 DEG 15 MIN N 153 DEG 03 MIN W
- (3) 36 DEG 50 MIN N 138 DEG 36 MIN W
- (4) 35 DEG 34 MIN N 132 DEG 28 MIN W

3. VESSELS ARE ADVISED TO AVOID THE ABOVE AREAS DURING  
THE TIMES SPECIFIED.

4. MESSAGE RECEIPT CONFIRMATION IS REQUESTED VIA  
TELEPHONE CONTACT 2 ROPS/DOS AT COMMERCIAL 888-240-1233  
OR DSN 276-8826 OR EMAIL AT 2ROPS.DOS@VANDENBERG.AF.MIL.

PLEASE LEAVE A MESSAGE ON ANSWERING MACHINE DURING  
NON-WORKING HOURS. OFFICE HOURS ARE 1500-0001Z DAILY  
MON - FRI. THE OFFICE IS MANNED DURING LAUNCHES.

**Attachment 3****BROADCAST NOTICE TO MARINERS INFORMATION LETTER FORMAT**

May 11, 2005

MEMORANDUM FOR DISTRIBUTION FROM: 2 ROPS/DOS

1602 California Vandenberg AFB, CA 93437

SUBJECT: Broadcast Notice to Mariners -- Broadcast No. 0325

Operations considered hazardous to surface vessels will be conducted within the offshore areas of Vandenberg AFB.

The following danger zones will be closed to entry in accordance with Title 33, CFR 334.1130, as published in the current Federal Register. It is requested that this information be posted for local mariners' information in a manner that does not indicate association with Vandenberg AFB operations.

3. Mariners operating in the Vandenberg AFB areas should dial 1-800-648-3019 for the current status of Vandenberg Danger Zones:

<u>DANGER ZONES</u>	<u>SCHEDULE DATE/TIME</u>	<u>TYPE OF OPERATION</u>
1, 2	31 MAY 05/10:01 PM TO 1 JUNE 05/8:01AM	HAZARDOUS

**Area enclosed by the following coordinates will be closed during the time specified above:**

34	Deg	52	Min	N,	120	Deg	38	Min	W
34	Deg	52	Min	N,	120	Deg	34	Min	W
34	Deg	50	Min	N,	120	Deg	34	Min	W
34	Deg	50	Min	N,	120	Deg	38	Min	W

5. If there are any questions, please contact 2 ROPS/DOS at (805) 606-8825.

NAME, GRADE

Launch Forecaster

Attachment:

Distribution List

2 ROPS/ADO/DOF/DON

30 SW/SEL

InDyne/ACC

DISTRIBUTION:

Harbor Master, Morro Bay

Harbor Master, Santa Barbara

Harbor Master, Oxnard

Harbor Master, San Luis

Harbor Master, Ventura Marina

Harbor Master, Port Hueneme

Commander, Eleventh Coast Guard

**Attachment 4****ADDRESSES FOR HAZARD NOTICE "VANDENBERG AFB DANGER ZONE CLOSURES"****PORT CONTROL OFFICES****Morro Bay Harbor**

ATTN: Harbor Master

1275 Embarcadero

Morro Bay CA 93442-2041\

Phone: (805) 772-1214, Ext 254

Phone: (805) 772-1217 after hours

FAX: (805) 772-6258

**Port San Luis**

ATTN: Harbor Master

PO Box 249

Avila Beach CA 93424

Phone: (805) 595-5400

Ask for Harbor Patrol

FAX: (805) 595-5404

**Ventura Marina**

ATTN: Harbor Master

1603 Anchors Way Drive

Ventura CA 93001-4229

Phone: (805) 642-8618

FAX: (805) 658-2249

**Santa Barbara Harbor**

ATTN: Harbor Master

132-A Harbor Way

Santa Barbara CA 93109-2397

Phone: (805) 564-5520

FAX: (805) 897-2588

**Port Hueneme Harbor**

Port Services Officer (Code 63B)

Naval Construction Battalion Car

Port Hueneme CA 93043-5000

Phone: (805) 982-3121

**Channel Islands Harbor**

ATTN: Harbor Master

3900 Pelican Way

Oxnard CA 93035

Phone: (805) 385-8693

FAX: (805) 385-8698

**COAST GUARD "BROADCAST NOTICES TO MARINERS"**

## Attachment 5

## EXAMPLE OF ALTRV REQUEST

UNCLASSIFIED// FOR OFFICIAL USE ONLY

**Subject:** ALTRV APREQ 2 ROPS AIROP DO-0709 (1)**Originator:** 2ROPS DOS(UC)**DTG:** 112225Z Sep 07**Precedence:** IMMEDIATE**DAC:** General**To:** 2ROPS DOS(UC), ACC(UC), LOS ANGELES ARTCC(UC), OAKLAND ARTCC(UC), WESTERN PACIFIC RGN OPS CTR(UC), NAVFRCOORD WESTERN US PT MUGU CA(UC), WASHINGTON CARF(UC)

UNCLASSIFIED//FOR OFFICIAL USE ONLY.

SUBJECT: ALTRV APREQ 2 ROPS AIROP DO-0709

1. STATIONARY ALTITUDE RESERVATION REQUEST FOR WESTERN RANGE OPERATION W4233  
SURFACE TO UNLIMITED ALTITUDES WITHIN AN AREA  
BOUNDED BY THE FOLLOWING COORDINATES:

## a. ASCENT DISPERSION AREA

- (1) 34 DEG 52 MIN N 120 DEG 51 MIN W
- (2) 34 DEG 52 MIN N 120 DEG 36 MIN W
- (3) 34 DEG 51 MIN N 120 DEG 36 MIN W
- (4) 34 DEG 49 MIN N 120 DEG 51 MIN W

## b. FLIGHT INFORMATION REGION KZAK

- (1) 34 DEG 48 MIN N 126 DEG 24 MIN W
- (2) 34 DEG 51 MIN N 125 DEG 53 MIN W
- (3) 34 DEG 09 MIN N 125 DEG 48 MIN W
- (4) 34 DEG 07 MIN N 126 DEG 19 MIN W

## c. FLIGHT INFORMATION REGION KZAK

- (1) 31 DEG 51 MIN N 153 DEG 49 MIN W
- (2) 34 DEG 15 MIN N 153 DEG 03 MIN W
- (3) 36 DEG 50 MIN N 138 DEG 36 MIN W
- (4) 35 DEG 34 MIN N 132 DEG 28 MIN W

THE ABOVE AREAS WILL BE CLOSED DAILY FROM 2002Z TO 0117Z FOR  
THE PERIOD BEGINNING 28 SEP 07 AND ENDING 03 OCT 07.

## 2. ADDITIONAL INFORMATION

A. RESTRICTED AIRSPACE M1 AS PART OF W532, AND R2516 WILL BE  
CLOSED.

B. FRONTIER CONTROL WILL NOTIFY LOS ANGELES/OAKLAND CENTER  
AT LEAST ONE HOUR PRIOR TO THE WITHDRAWAL OF RESTRICTED

AIRSPACE M1 AS PART OF W532, AND R2516 AND RELEASE IT BACK UPON COMPLETION OF THE OPERATION.

C. COORDINATION FOR USE OF WARNING AND RESTRICTED AREAS SHOWN IN PARA 1 HAS BEEN ACCOMPLISHED IAW FAA ORDER 7610.4 (SERIES).

D. FAX ALTRV APPROVAL TO DSN 276-7086. PLEASE CONFIRM RECEIPT BY CONTACTING 2 ROPS/DOS VIA DMS OR TELEPHONE AT DSN 276-8826 OR COMMERCIAL (805) 606-8826 OR EMAIL AT 2ROPS.DOS@VANDENBERG.AF.MIL. OFFICE HOURS 1500-0001Z DAILY MON-FRI.

E. MARSA IS IN EFFECT.



## Attachment 6

### NOTAM CONTROL LOG

Table A6.1. Notam Control Log.

NOTAM CONTROL LOG			
DELETED HANDLING (if applicable) _____		SYMBOL (if applicable)	
<input type="checkbox"/> = SPACE 1. DELETE "NOTAM" USING AUTODN		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">M O T A M</div> <div style="width: 50%;">S K G B F Y H X</div> </div>	
2. PRIOR IT Y INDICATOR AND ADDRESSEE		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">S</div> <div style="width: 50%;">K G B F Y H X</div> </div>	
3.1. DIG IT DTG & CACQ (if applicable)		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">S</div> <div style="width: 50%;">K G B F Y H X</div> </div>	
3.2. DIG IT DTG & CACQ (if applicable)		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">S</div> <div style="width: 50%;">K G B F Y H X</div> </div>	
4. NEW NOTAM		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">S</div> <div style="width: 50%;">K G B F Y H X</div> </div>	
5. REPLACEMENT NOTAM		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">S</div> <div style="width: 50%;">K G B F Y H X</div> </div>	
6. CANCELLATION NOTAM		USE REVERSE SIDE OF FORM	
7. IDENTIFICATION (if applicable)		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">S</div> <div style="width: 50%;">K G B F Y H X</div> </div>	
8. EFFECTIVE TIME (if applicable)		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">S</div> <div style="width: 50%;">K G B F Y H X</div> </div>	
9. EXPIRATION TIME (if applicable)		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">S</div> <div style="width: 50%;">K G B F Y H X</div> </div>	
10. TIME SCHEDULE (if applicable)		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">S</div> <div style="width: 50%;">K G B F Y H X</div> </div>	
11. TEXT (NOTAM Q Code, plus plain text if required)		QFALC	
12. LOWER LIMIT		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">S</div> <div style="width: 50%;">K G B F Y H X</div> </div>	
13. UPPER LIMIT		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">S</div> <div style="width: 50%;">K G B F Y H X</div> </div>	
14. FINAL DELIMITER		<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">S</div> <div style="width: 50%;">K G B F Y H X</div> </div>	
15. COORDINATION		LOCAL USE	
a. BASE FLIGHT OPS	SR	1923	Aerodrome Closed  GG KVBGD 131923 KC NFNYX RC=00 (MO17265 NOTAMR MO17165 A) KVBG B) 06141300 C) 06141631 E) QFALC )
b. TOWER	HS		
c. ARTCC	N/A		
d. FSS	FAX		
e. LOCAL USE	AH		
f. LOCAL USE	BS		
g. POSTED TO DISPLAY	JC		
h. TIME SUMMOR UPD RCVD	SK		

DD FORM 2349, AUG 90 (E G)

PREVIOUS EDITIONS ARE OBSOLETE.

Designed using Palram Pro, WYSIWYG, MS 4

**Attachment 7****SPECIAL USE AIRSPACE (EXAMPLE)**

(Temporary Military Operations Area) Exercise Quick Force 95 (Effective June 14-20, 1995)  
Quick Force TMOA, UT.

Boundaries. Beginning at lat. 30°23'00"N., long. 114°27'03"W.; to lat. 39°23'00"N.,  
long. 114°03'03"W.; to  
lat. 39°11'00"N., long. 114°01'03"W.; thence to point of beginning. Altitudes. 100 feet AGL to  
but not including FL 180. Time of use. 1330-2330 local time. Controlling agency. FAA, Salt  
Lake City ARTCC. Using agency. USAF, USCENTAF Battle Staff (USCENTAF/DOXE)  
Shaw AFB SC.

## Attachment 8

## (EXAMPLE) RAILROAD NOTIFICATION LETTER

14 November 2007

MEMORANDUM FOR UNION PACIFIC RAILROAD MANAGER ROAD OPERATIONS

FROM: 2 ROPS/DOS

Building 7025, Room 254

1602 California Blvd.

Vandenberg AFB CA 93437-5233

SUBJECT: 30<sup>th</sup> Space Wing Range Safety Operations Requirements

Railroad Markers for W1386

1. The following 30<sup>th</sup> Space Wing Western Range schedule is provided for the week of 02 December 2007.

ITEM NUMBER

DATE/TIME

RSOR RR MARKERS

1

6:15 PM to 6:31 PM/05 Dec 07

8 NORTH, 18 SOUTH,  
SURF, 13<sup>th</sup> St/Ocean Ave

2. Any changes to train protection will be briefed to the Guadalupe Manager Road Operations at T-180 by the Aerospace Control Officer (ACO).
3. If there are any questions, please contact 2 ROPS/DOS at (805) 606-8825.

NAME, GRADE  
LAUNCH FORECASTER

cc:

30 SW/SEL

2 ROPS/DOF

Union Pacific RR

Guadalupe

San Luis Obispo